

ABSTRACT

The method for configuring encryption strengths for data includes: providing a piece of the data with a sensitivity level; authenticating a remote user with a clearance level for accessing the data; selecting an encryption strength for the piece of the data based on the clearance level of the remote user, if the clearance level of the remote user allows access to the piece of the data with the sensitivity level; encrypting the piece of the data; and providing access to the encrypted piece of the data to the remote user. Remote users have varying levels of clearance to access data. Data is assigned varying sensitivity levels. Each clearance level allows the remote user to access data at that sensitivity level or below. The strength of the data encryption is based upon the remote user's clearance level or a requested session sensitivity level. Access control to data is thus more flexible.